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Atty. Dkt. No. 040373-0389

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Shinichi HORI

Title: VARIABLE GAIN VOLTAGE/CURRENT CONVERTER  
CIRCUIT HAVING CURRENT COMPENSATION CIRCUIT  
FOR COMPENSATING FOR CHANGE IN DC CURRENT  
FLOWING INTO ACTIVE ELEMENT FOR PERFORMING  
VOLTAGE/CURRENT CONVERSION

Appl. No.: 10/581,555

International Filing Date: 09/15/2004  
371(c) Date: 06/02/2006

Examiner: Steven J. Mottola

Art Unit: 2817

Confirmation No.: 6217

**AMENDMENT AND REPLY UNDER 37 C.F.R. § 1.111**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

This communication is responsive to the Non-Final Office Action dated December 14, 2007, concerning the above-referenced patent application.

**Amendments to the Claims** are reflected in the listing of claims which begins on page 2 of this document.

**Amendments to the Drawings** begin on page 4 of this document, and include an attached replacement drawing sheet and an annotated sheet showing changes.

**Remarks/Arguments** begin on page 5 of this document.

Please amend the application as follows: